

1800 DS
RM-8632

AUDIO
APR 7 1995

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Mr. William F. Caton, Secretary
Federal Communications Commission
Washington, D.C. 20554

Re: Amendment of Section 73.202(b),
FM Table of Allotments
Pasco, Washington
(Mr. Martin L. Gibbs (Petitioner))

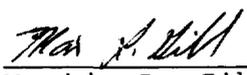
DOCKET FILE COPY ORIGINAL

Dear Mr. Caton:

Transmitted herewith is an original and four copies of the above-referenced, to begin rule making.

Should further information be required regarding this matter, please communicate directly with me.

Very truly yours,



Martin L. Gibbs
1708 Road 52
Pasco, WA 99301

(Petitioner)

Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554

DOCKET FILE COPY ORIGINAL

In the Matter of)
)
Amendment of Section 73.202(b)) MM Docket _____
Table of Allotments,) RM - _____
FM Broadcast Stations)
(Pasco, Washington))

To: Chief, Policy and Rules Division

PETITION FOR RULE MAKING

Comes now Martin L. Gibbs, (hereafter "Petitioner"), pursuant to Section 1.401(a) of the Commission's Rules, and respectfully request the Commission to institute a rule making proceeding to allocate FM Channel 229A to Pasco, Washington, as that community's third local FM service.

Proposal of Petitioner

	<u>Channel Numbers</u>	
<u>City</u>	<u>Present</u>	<u>Proposed</u>
Pasco, Washington	252A, 267C3	229A, 252A, 267C3

In support of this proposal, the following information is submitted for consideration:

1. Pasco is an incorporated city located in Franklin County, Washington. The city population is 20,337 and the county population is 37,473 1/. Attached is Exhibit No. 1 which shows the location of Pasco and Franklin County within Washington State. Pasco is the county seat of Franklin County.

2. Adoption of this proposal will provide Pasco with its third local FM service, on the table of allotments, under Section 73.202(b). 2/

3. If this proposal is adopted, Petitioner will promptly apply for authority to construct and operate a new FM station at Pasco, Washington. If a construction permit is granted, Petitioner will promptly construct and operate the proposed station.

4. Attached hereto and made a part of this petition is an Engineering Exhibit in support of the requested allotment. Based on the information contained therein, it appears that the requested channel could be allocated to Pasco, Washington in full compliance with the minimum distance separation requirements of Section 73.207 of the Commission's Rules, with a site restriction as specified in the Engineering Exhibit.

5. The proposed change in the table of allotments will not create a short-spacing to any existing station, pending application or vacant allotment and will not require relocation of any station, pending applicant or vacant allotment.

1/ Population figures are from the 1990 U.S. Census.

2/ Station KOLU (FM) 90.1 MHz does not appear on the allotment table. KOLU (FM) operates as a non-commercial station.

6. In addition to considering the minimum distance separation required of Section 73.207 the Petitioner has provided in the attached Engineering Study, technical information concerning transmitter location (73.315), and coverage of the most distant City boundary of Pasco, Washington with greater than 70 dBu signal. As shown on technical exhibits, there is ample area in which to locate a transmitter and antenna site which will provide service to the City of Pasco, Washington without request of waivers of the various coverage rules.

WHEREFORE, the premises considered, Mr. Martin L. Gibbs, respectfully request the Commission amend the FM Table of Allotments to reflect the allotment of Channel 229A to Pasco, Washington.

Respectfully submitted,

By 

Mr. Martin L. Gibbs
1708 Road 52
Pasco, WA 99301

(Petitioner)

ENGINEERING EXHIBITS
IN SUPPORT OF
ALLOTMENT OF FM CHANNEL 229A
TO PASCO, WASHINGTON

Mr. MARTIN L. GIBBS
(PETITIONER)

KENNETH WILLIAMS, Jr. P.E.
Consulting Engineer
Tacoma, Washington 98407
(206) 756-7544 FAX (206) 752-5145

ENGINEERING STATEMENT IN SUPPORT OF
A PROPOSAL TO ADD FM CHANNEL 229A
TO PASCO, WASHINGTON

Mr. Martin L. Gibbs (Petitioner)

The following Engineering data supports a request of Mr. Martin L. Gibbs, of Pasco, Washington to amend the FM table of Allotments in Section 73.202(b) of the Commission's Rules. We are requesting channel 229A be added to the FM Table of Allotments as a drop in channel, to Pasco, Washington.

The addition of FM channel 229A may be made as a drop in channel, without other channels being moved, deleted or changed.

All distance figures used in this report are metric and calculations were, made using methods specified in Section 73.208 of the FCC Rules. All distances were in reference to the restricted site coordinates, Southwest of Pasco. 1/

A complete class A channel study is shown as attached Figure 1 and Figure 2. All channel spacings in these figures are within the Commission's current minimum separation requirements at the petitioner's proposed transmitter and antenna site.

With the use of a restricted site Southwest of Pasco, Washington an Allotment of channel 229A may be made to Pasco, Washington.1/

The site would place Pasco within the 70 DBU contour, as shown in Figure 5, and will not cause short spacing to existing or proposed stations in the U.S. or Canada.

1/ Restricted Site Coordinates: N. 46°08'49" W. 119°12'36"
Location 7.7 miles / 12.5 kilometers Southwest of Pasco.

KENNETH WILLIAMS, Jr., P.E. - Consulting Engineer - Tacoma, WA

ENGINEERING STATEMENT Cont.

The proposed service contours of 70 and 60 DBU, were drawn by a plotter driven with the tabulated data shown in Figure 6. Average terrain for the site was determined by the NGDC 30-second data base for the Coordinates of the restricted site. The data shown on Figure 3 are the values of antenna center above mean sea level, average terrain of site and station ERP which were used to construct the coverage map of Figure 5.

Attached Figure 4, shows the area to which the allotment could be made without short spacing to other stations. For the purpose of this petition a ground elevation of 1150 feet (350 meters) was used for the site.

While we are not required to protect FM Translators, we have considered what possible harm may result to these stations if channel 229A is allotted to Pasco. A list of operating Translators are shown as Figure 7. It is apparent due to distance and frequency separation our proposal does not impact any existing or proposed FM Translator operation.

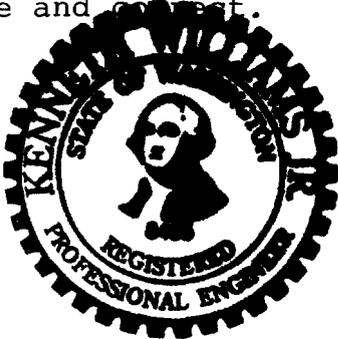
Based in the data at hand it appears channel 229A may be allotted to Pasco, Washington as that community's third local FM service.

ENGINEERS CERTIFICATION

STATE OF WASHINGTON)
) ss
COUNTY OF PIERCE)

Kenneth Williams, Jr., P.E., being duly sworn on his oath, states that he is an experienced and qualified Radio Engineer, licensed as a Registered Professional Electrical Engineer in the States of Washington and Oregon and as such maintains an office for the practice of Electrical and Communications Engineering. Having been in continuous practice as a Consulting Engineer for over 31 years, his qualifications are thus a matter of record with the Federal Communications Commission and the Federal Aviation Administration.

The Engineering data herein, was prepared by him or under his direct supervision and all representation of fact contained in said report is based on affiants measurements, information and belief and he believes all such statements herein to be true and correct.



Kenneth Williams, Jr.
(Kenneth Williams, Jr., P.E.)
(affiant)

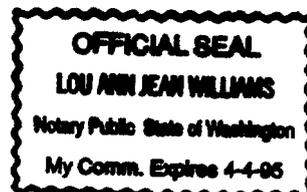
ENGINEERS STATE SEAL

EXPIRES: 7-15-95

Sworn to before me, Lou Ann Jean Williams a
Notary Public of Tacoma, Washington, on this 9th
day of February, 1995.

My Commission Expires April 4, 1995.

NOTARY STATE SEAL:



Reference Coordinates are 7.7 miles / 12.5 kilometers
Southwest of Pasco, Washington.

CLASS A FM CHANNEL STUDY
** CHANNEL 229 **

REFERENCE SITE - PASCO, WASHINGTON N. 46 8 49 W. 119 12 36

Channel Data	Call	City	State	File No.	Az-Deg	D-Km.	R-Km.	[Km.MARGIN]
226C2	FA VAC	Omak	WA		352.6	247.5	55	192.5 Clear
227C1	FM LIC	KTELFM Walla Walla	WA	BLH911202KA	102.4	82.0	75	7.0 Clear
228A	FR DEL	Chelan	WA	RM8265	345.1	196.1	72	124.1 Clear
228A	FM LIC	KOZIFM Chelan	WA	BMLH910204KE	345.1	196.1	72	124.1 Clear
229C	FM LIC	KDRKFM Spokane	WA	BLH7372	45.7	226.5	226	0.5 Clear
229C2	FR ADD	East Wenatchee	WA	RM8265	327.8	167.5	166	1.5 Clear
230C2	FM APP	NEW Ephrata	WA	BPH930721MC	351.2	136.0	106	30.0 Clear
230C2	FA VAC	Ephrata	WA		348.8	121.7	106	15.7 Clear
230C2	FR DEL	Ephrata	WA	RM8265	348.8	121.7	106	15.7 Clear
231C	FM LIC	KCLKFM Clarkston	WA	BLH831227AC	78.0	166.0	95	71.0 Clear
231C	FM LIC	KMPSEFM Seattle	WA	BLH890912KB	305.6	259.2	95	164.2 Clear

Current Rules Spacing

>>>>> END OF CHANNEL 229 SEARCH <<<<<<

DISTANCE TO CHANNELS 10.6-10.8 MHz SPACING

FM WITHIN 200 km
 ** CHANNELS 282 TO 283 **

REFERENCE SITE - PASCO, WASHINGTON N. 46 8 49 W. 119 12 36

		Owner/Applicant					
CHANNEL	CALL	CITY	Horz->AHAAT/ERP/AMSL	LATITUDE	(deg)	(km)	
& CLASS	STATUS	STATE	FILE No.	Vert->AHAAT/ERP/AMSL	LONGITUDE	AZIMUTH	DIST
104.3 Mhz.		Radio Palouse, Inc.					
282	C1 KHTR	Pullman	509 24.0 1405	46-48-40	67.3	191.0	
	FM LIC	WA	BLH 870112KB	509 24.0 1405	116-54-55		
104.5 Mhz.		Mid Columbia Broadcasting, Inc.					
283	C KMCQ	The Dalles	610 100. 998	45-42-41	251.9	155.7	
	FM LIC	OR	BLH 850916KS	610 100. 998	121- 7- 7		

>> END OF FM WITHIN 200 km STUDY <<

TERRAIN ELEVATION INFORMATION

NGDC 30-SECOND DATA

FROM SITE AT:

N. 46° 08' 49"

W. 119° 12' 36"

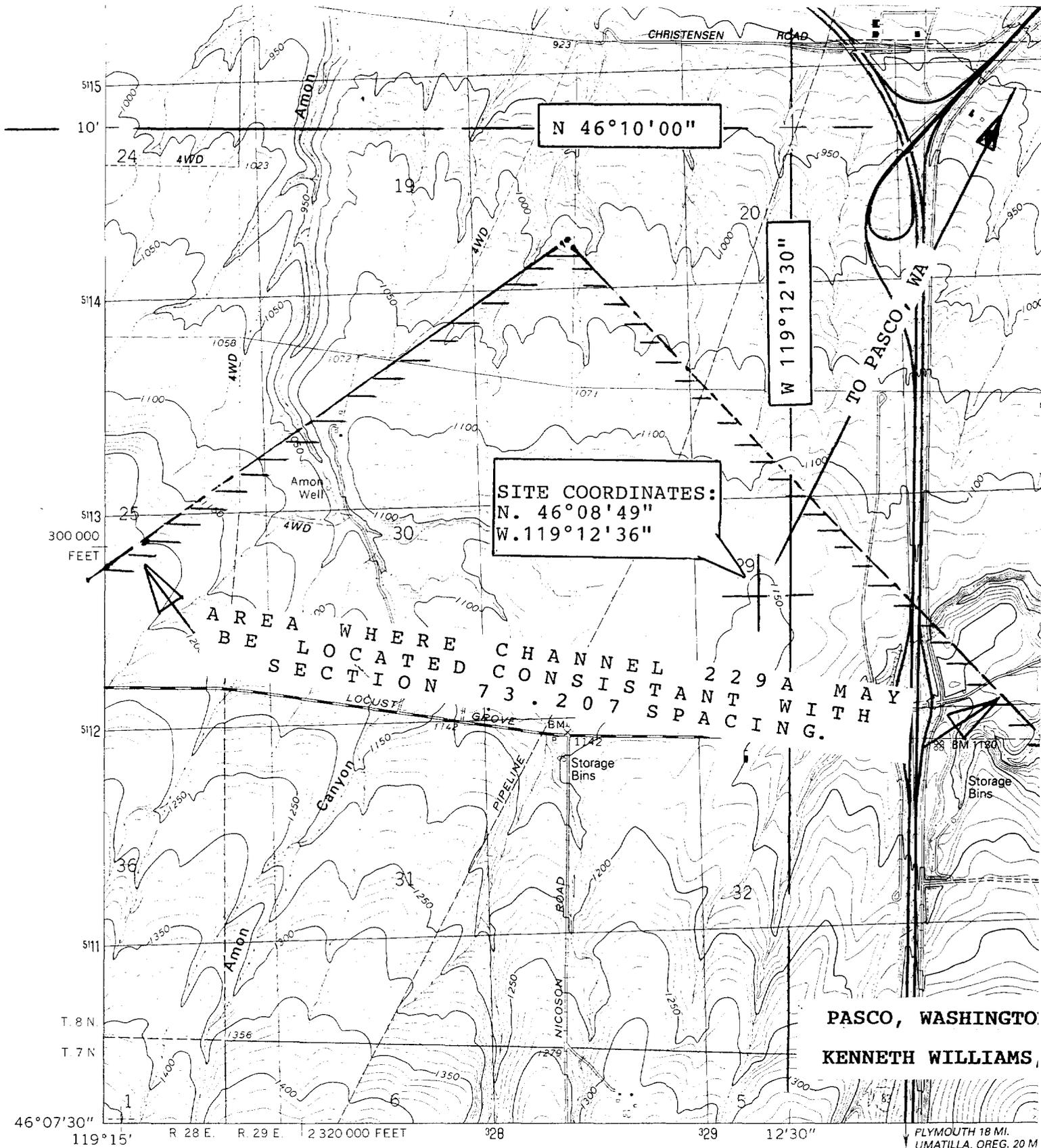
Azimuth in Deg.	Distance in km.	Elevation in meters
.0	16	158.5
45.0	16	146.0
90.0	16	196.1
135.0	16	486.0
180.0	16	411.2
225.0	16	481.3
270.0	16	468.0
315.0	16	258.6
Eight Radial (3-16 km) Average		325.7 m.
City 26°	16	146.6 *

* Not included in average elevation figures.

Service Contours are based on the following:

Antenna Center AMSL	420 meters
Average Terrain	325 meters
Antenna HAAT	70 meters
Station ERP in DBK	7.78 DBK (6 KW)

Map of coverage shown as figure 5.
 Tabulated coverage shown as figure 6.



Produced by the United States Geological Survey

Control by USGS and NOS/NOAA

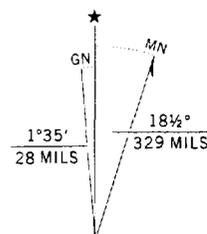
Compiled from aerial photographs taken 1959. Revised from aerial photographs taken 1988. Field checked 1990. Map edited 1992. Underwater contours by USCE

North American Datum of 1927 (NAD 27). Projection and 10 000-foot grid ticks: Washington Coordinate System, south zone (Lambert Conformal Conic). 1000-meter Universal Transverse Mercator grid, zone 11

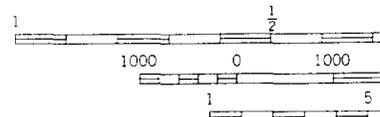
The difference between NAD 27 and North American Datum of 1983 (NAD 83) for 7.5 minute intersections is given in USGS Bulletin 1875. The NAD 83 is shown by dashed corner ticks

Red tint indicates areas in which only landmark buildings are shown

Fine red dashed lines indicate selected fence and field lines where



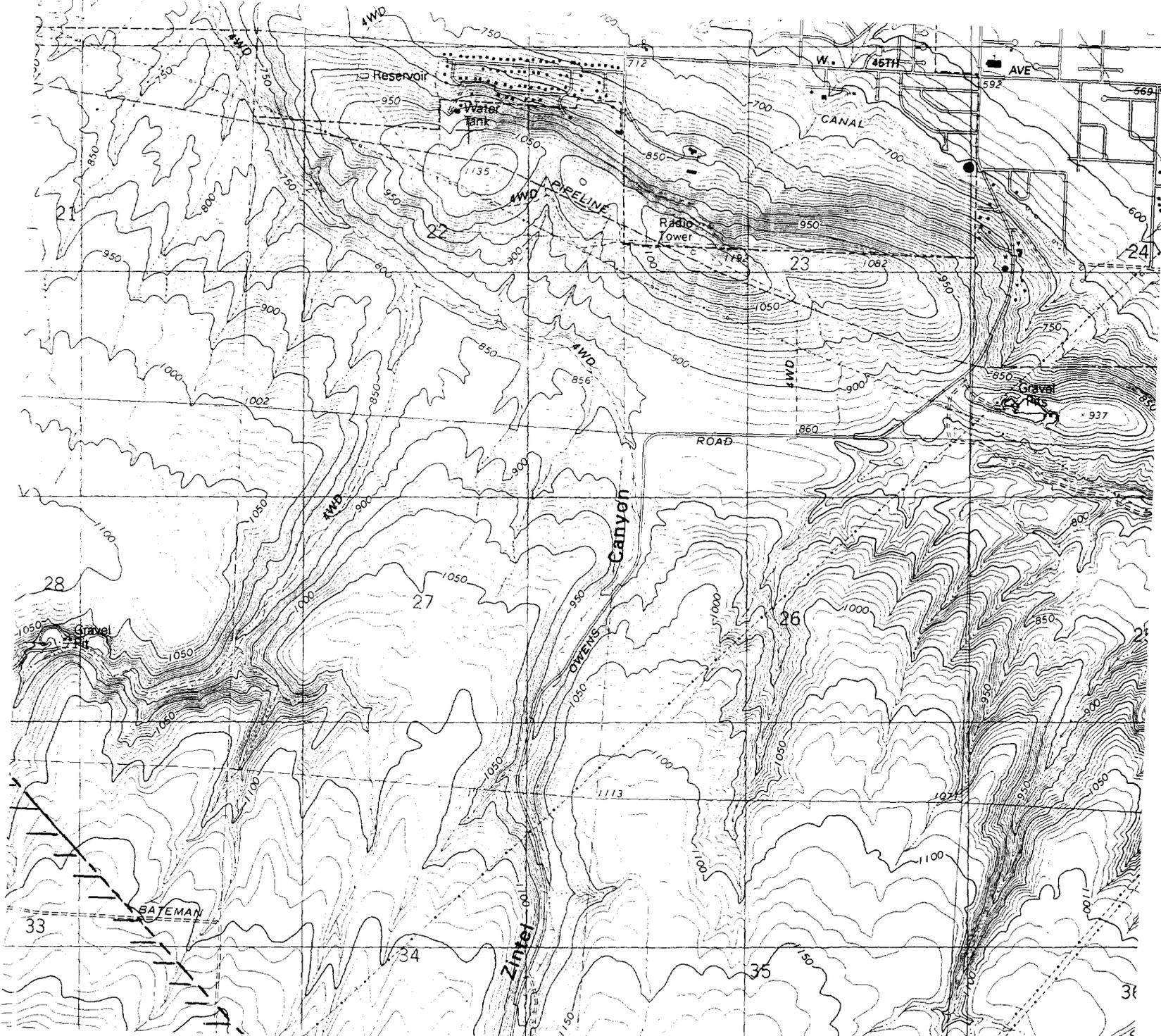
UTM GRID AND 1992 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET



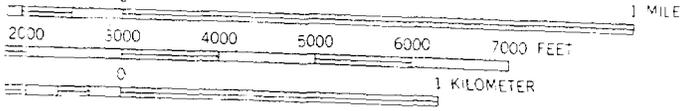
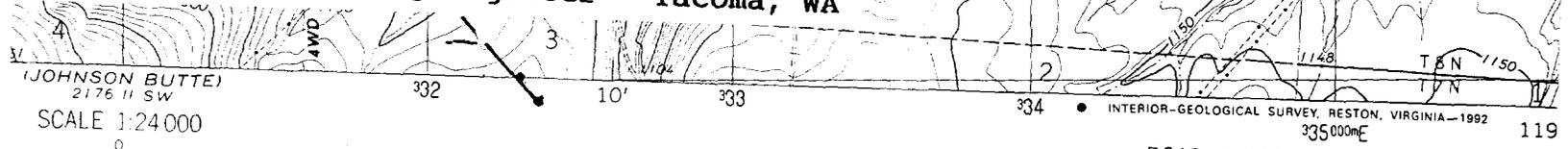
C
DOTTED
NATIONAL

THIS MAP COMPLIES
FOR SA
DENVER, COLO
A FOLDER DESCRIBING TOPOC

AYLOR CANYON
2176 III SE



- CHANNEL 229A - FIGURE 4 Page 7 of 10
 Jr., P.E. - Consulting Engineer - Tacoma, WA



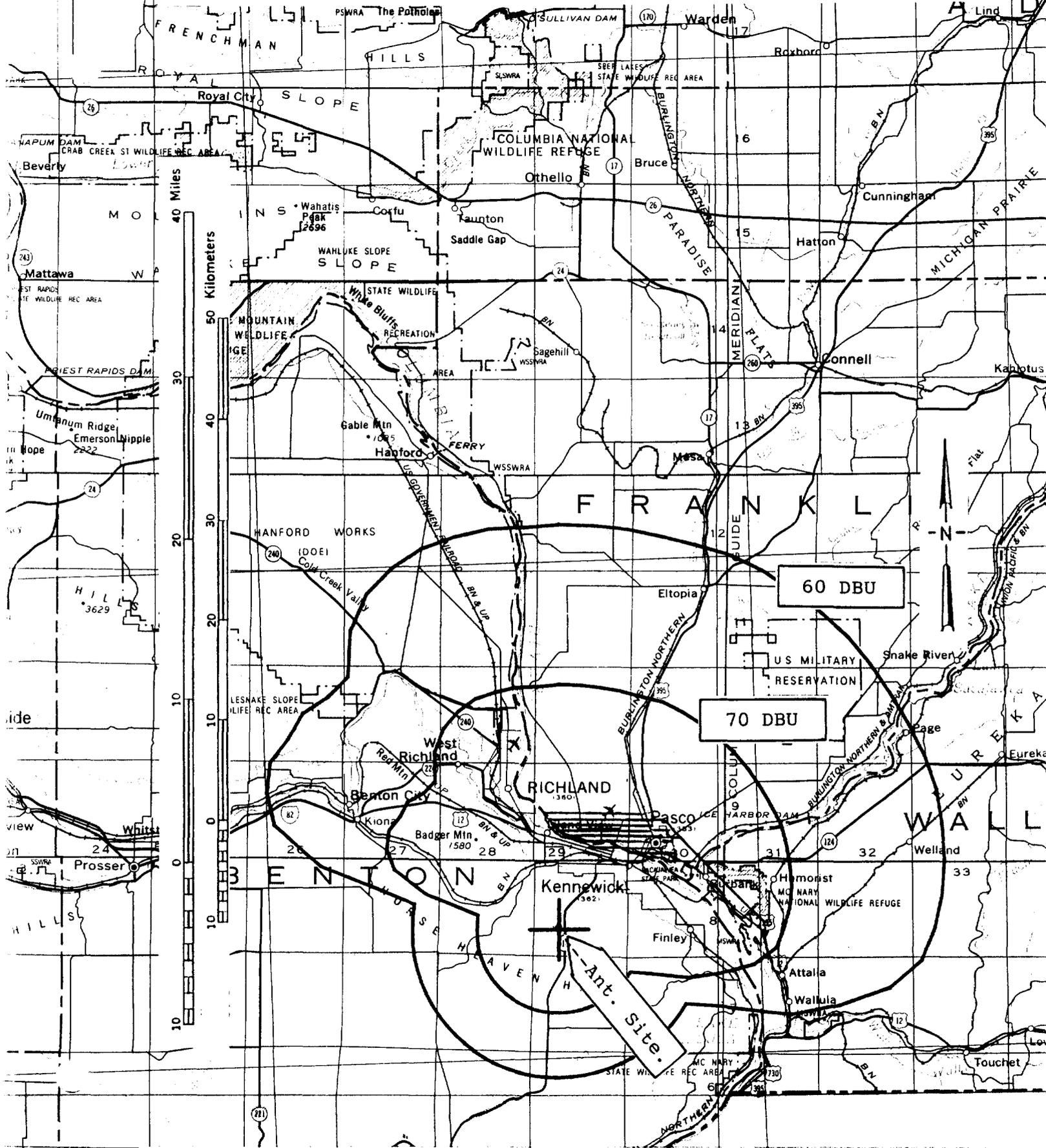
VERTICAL INTERVAL 10 FEET
 CONTOUR LINES REPRESENT 5-FOOT CONTOURS
 DATUM: MEAN SEA LEVEL (MSL) GEODETIC VERTICAL DATUM OF 1929



- ROAD CLASSIFICATION**
- Primary highway, hard surface ————
 - Secondary highway, hard surface ————
 - Light-duty road, hard or improved surface ————
 - Unimproved road ————
 - Interstate Route (thick dashed line)
 - U. S. Route (dashed line)
 - State Route (thin solid line)

WITH NATIONAL MAP ACCURACY STANDARDS
 BY U.S. GEOLOGICAL SURVEY
 3300 80225, OR RESTON, VIRGINIA 22092
 ADDITIONAL MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

KENNEWICK, WASI
 46119-B2-TF-024



DISTANCES TO CONTOURS (Kilometers) :

Frequency: 93.7000 MHz
 Coordinates: N 46 8 49 W 119 12 36
 F(50,50) Curves Number of Contours:

AZ HAAT ERP CONTOUR LEVELS (dBu):					AZ HAAT ERP CONTOUR LEVELS				
(degs)	(m)	(dBk)	70.0	60.0	(degs)	(m)	(dBk)	70.0	60.0
.0	262	6.77	24.8	41.0	185.0	18	6.77	8.4	15.0
5.0	262	6.77	24.8	41.0	190.0	14	6.77	8.4	15.0
10.0	263	6.77	24.8	41.1	195.0	7	6.77	8.4	15.0
15.0	263	6.77	24.9	41.1	200.0	3	6.77	8.4	15.0
20.0	267	6.77	25.0	41.3	205.0	-11	6.77	8.4	15.0
25.0	273	6.77	25.3	41.7	210.0	-25	6.77	8.4	15.0
30.0	274	6.77	25.3	41.8	215.0	-36	6.77	8.4	15.0
35.0	273	6.77	25.3	41.7	220.0	-49	6.77	8.4	15.0
40.0	273	6.77	25.3	41.7	225.0	-61	6.77	8.4	15.0
45.0	274	6.77	25.3	41.8	230.0	-63	6.77	8.4	15.0
50.0	271	6.77	25.2	41.6	235.0	-74	6.77	8.4	15.0
55.0	268	6.77	25.1	41.4	240.0	-89	6.77	8.4	15.0
60.0	266	6.77	25.0	41.3	245.0	-90	6.77	8.4	15.0
65.0	267	6.77	25.0	41.3	250.0	-85	6.77	8.4	15.0
70.0	263	6.77	24.8	41.1	255.0	-81	6.77	8.4	15.0
75.0	255	6.77	24.5	40.6	260.0	-75	6.77	8.4	15.0
80.0	249	6.77	24.2	40.1	265.0	-64	6.77	8.4	15.0
85.0	237	6.77	23.7	39.4	270.0	-48	6.77	8.4	15.0
90.0	224	6.77	23.0	38.5	275.0	-27	6.77	8.4	15.0
95.0	208	6.77	22.3	37.3	280.0	14	6.77	8.4	15.0
100.0	173	6.77	20.3	34.4	285.0	85	6.77	14.1	25.2
105.0	124	6.77	17.1	29.8	290.0	137	6.77	17.9	31.0
110.0	86	6.77	14.2	25.3	295.0	158	6.77	19.4	33.0
115.0	47	6.77	10.4	18.4	300.0	170	6.77	20.1	34.1
120.0	-3	6.77	8.4	15.0	305.0	167	6.77	19.9	33.8
125.0	-44	6.77	8.4	15.0	310.0	171	6.77	20.2	34.2
130.0	-65	6.77	8.4	15.0	315.0	161	6.77	19.6	33.4
135.0	-66	6.77	8.4	15.0	320.0	163	6.77	19.7	33.5
140.0	-62	6.77	8.4	15.0	325.0	205	6.77	22.1	37.1
145.0	-66	6.77	8.4	15.0	330.0	236	6.77	23.6	39.3
150.0	-64	6.77	8.4	15.0	335.0	253	6.77	24.4	40.4
155.0	-50	6.77	8.4	15.0	340.0	264	6.77	24.9	41.1
160.0	-42	6.77	8.4	15.0	345.0	265	6.77	24.9	41.2
165.0	-32	6.77	8.4	15.0	350.0	265	6.77	24.9	41.2
170.0	-11	6.77	8.4	15.0	355.0	260	6.77	24.7	40.9
175.0	-1	6.77	8.4	15.0	360.0	261	6.77	24.8	41.0
180.0	9	6.77	8.4	15.0					

FM TRANSLATORS WITHIN 200 Km.
CHANNELS 226 to 232

REFERENCE SITE - PASCO, WASHINGTON

N. 46 8 49 W. 119 12 36

CHANNEL & CLASS STATUS		Owner/Applicant	CITY	STATE	FILE No.	Horz->AHAAT/ERP/AMSL Vert->AHAAT/ERP/AMSL	(m) (kw) (m)	LATITUDE LONGITUDE	(deg) AZIMUTH	(km) DIST
228 A	FR DEL	Hartline Broadcasters	Chelan	WA	RM 8265			47-51- 7 119-52-18	345.1	196.1
228 D	FX LIC	Gregory L. Ditton	Wenatchee, etc.	WA	BLFT 891201TC	.048	1105	47-30-33 120-14-22	332.6	170.6
228 D	FX APP	Power Du Pree Broadcasting Company	Yakima	WA	BPFT 870331YJ	.140	687	46-31-40 120-31- 6	292.8	109.2
229 C2	FR ADD	Hartline Broadcasters	East Wenatchee	WA	RM 8265			47-25-18 120-22-53	327.8	167.5
230 C2	FR DEL	Hartline Broadcasters	Ephrata	WA	RM 8265			47-13-16 119-31-12	348.8	121.7
232 D	FX LIC	T & J Broadcasting, Inc.	Ellensburg	WA	BLFT 940519TD	348	.036 982	46-53-13 120-26-26	311.1	125.2
232 D	FX LIC	State of Oregon, etc.	Hood River	OR	BLFT 870403TA	.040	797	45-44-32 121-34-46	256.2	189.1
232 D	FX LIC	Columbia Theatre Company	Pendleton	OR	BLFT 860327TZ	.009	353	45-40- 4 118-46-52	148.0	62.8
232 D	FX LIC	Peoples TV Association, Inc.	Ephrata, etc.	WA	BLFT 810601IE	.041	616	47-18-56 119-35- 8	347.5	133.0

>> END OF FM WITHIN 200 km STUDY <<

KENNETH WILLIAMS, Jr., P.E. - Consulting Engineer - Tacoma, WA